

ECAT Pre General Science Physics Chapter 8 Waves

Sr	Questions	Answers Choice
1	The phase determines the	A. displacement B. amplitude C. frequency D. state of motion of vibrating body
2	A weakly damped system has fairly	A. sharp resonance curve B. flat resonance curve C. both of them D. none of them
3	To hear a clear echo, the reflecting surface must be at a minimum distance of	A. 10 m B. 16.5 m C. 33 m D. 66 m
4	For production of beats the two sources must have	A. Different frequencies and same amplitude B. Different frequencies C. Different frequencies, same amplitude and same phase D. Different frequencies and same phase
5	Acceleration of the mass at any instant is given by	A. $a = k/m \times$ B. $a = -m/k \times$ C. $a = -k/m \times$ D. $a = m/k \times$
6	SI unit of frequency is	A. second B. hertz C. revolution D. vibrations/sec
7	The wave form of S.H.M will be	A. square wave B. sine wave C. rectified wave D. saw-tooth wave
8	The maximum displacement of a body on either side of its equilibrium position is called	A. frequency B. amplitude C. displacement D. time period
9	A heavily damped system has a fairly	A. sharp resonance curve B. flat resonance curve C. both of them D. none of them
10	Transverse waves can be set up:	A. Solids B. Liquids C. Gases D. All of them
11	The damping depends upon the	A. amplitude B. sharpness C. both of them D. none of them
12	In the formula for finding the speed of waves in the spring, unit of m in SI units is:	A. kg B. kg-meter C. kg/meter D. Meter/kg
13	The velocity of sound is greatest in	A. Water B. Air C. Vacuum D. Metal
14	Wave disturbances may also come in a concentrated bundle, like shock wave from an aeroplane flying at	A. subsonic speed B. sonic speed C. super sonic speed D. any one of them
		A. Elasticity

15	The wave motion set up in any medium depends upon:	B. Inertia C. Density D. All of these
16	In case of mechanical waves, we study the motion of	A. a single particle B. collection of particle C. any one of them D. none of them
17	Smaller the damping, the resonance will be	A. more flat B. more sharp C. both of them D. none of them
18	A wave, which transfer energy by moving away from the source of disturbance is called a	A. progressive wave B. travelling wave C. both of them D. none of them
19	Sound waves in air always	A. Longitudinal B. Transverse C. Stationary D. Electromagnetic
20	The waves in which the particles of the medium are displaced in a direction perpendicular to the direction of propagation of waves are known as	A. longitudinal waves B. transverse waves C. non-mechanical waves D. none of them